

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A memory media for storing data for access by an application program being executed on a data processing system, the memory media comprising

a plurality of directories at a directory level, each of said directories limited to storing files of a respective one of a plurality of file formats, so that not more than said respective one of said plurality of file formats are permitted to be stored in each of said directories, and

a further directory at said directory level, said further directory for storing files in other than said plurality of file formats.

2. (Cancelled)

3. (Previously Presented) The memory media of claim 1, wherein said directory level is immediately under a root directory.

4. (Previously Presented) The memory media recited in claim 1, wherein the memory media are memory cards.

5. (Previously Presented) The memory media recited in claim 1, wherein said further directory is further for storing files in one of said plurality of file formats.

6. (Currently Amended) A portable information terminal comprising memory media for storing data for access by an application program being executed by said terminal and detachable to and from a terminal body of the information terminal, comprising

means for forming a plurality of directories at a directory level, each of said directories limited to storing files of a respective one of a plurality of file formats, so that not more than said respective one of said plurality of file formats are permitted to be stored in each of said directories,

a further directory at said directory level, said further directory for storing files in other than said plurality of file formats.

7. (Cancelled)

8. (Currently Amended) A portable information terminal comprising carryable memory media for storing data for access by an application program being executed by said terminal and detachable to and from the terminal a body of the terminal, wherein

said carryable memory media is provided with

a plurality of directories at a directory level, each of said directories limited to storing files of a respective one of a plurality of file formats so that not more than said respective one of said plurality of file formats are permitted to be stored in each of said directories,

a further directory at said directory level, said further directory for storing files in other than said plurality of file formats,

i) if a file to be stored conforms to said plurality of directories, said portable information terminal stores the relevant file in the carryable memory media at a data area corresponding to one of said plurality of file formats,

ii) if a file to be stored does not conform to said portable information terminal stores the file in the carryable memory media at a further data area corresponding to said further directory.

9. - 11. (Cancelled)

12. (Previously Presented) The portable information terminal of claim 6, wherein an attached file attached to electronic mail received is stored in said carryable memory media at a data area corresponding to said further directory.

13. (Cancelled)

14. (Previously Presented) The portable information terminal of claim 6 comprising an operation section for operation by a user, wherein based on operation by said user of the operation section, at least one file is stored in a data area corresponding to said plurality of

directories and at least another file is stored in a further data area corresponding to said further directory.

15. (Previously Presented) The portable information terminal of claim 6 comprising separation means for separating an e-mail with the attached file received through said communication means into the e-mail document file and the attached file, wherein

i) said e-mail document file is stored in said carryable memory media at a data area corresponding to one of said plurality of formats, and

ii) said attached file is stored in said carryable memory media at a data area corresponding to other than said plurality of formats.

16. (Previously Presented) The portable information terminal of claim 15 wherein storage of said e-mail document file and said attached file is based on operation of a user.

17. (Previously Presented) The portable information terminal of claim 6 further comprising file extraction means for extracting said files.

18. (Original) The portable information terminal of claim 17 comprising control means, wherein

said control means controls at least one process among the following processes to be performed on said extracted file for;

i) deleting the file;

ii) shifting the file to a data area of said carryable memory media, which data area corresponding to a different directory other than the original directory, and storing it in there;

iii) transmitting the file as an attached file; and

iv) exhibiting it on a display.

19. (Original) The portable information terminal of claim 17, wherein said file extraction means extracts the file that conforms to said specific file form, based on the file expansion index.

20. (Original) The portable information terminal of claim 17, wherein said file extraction means extracts the file that conforms to said specific file form, based on the file inner structure.

21. (Original) The portable information terminal of claim 17, wherein said file extraction means extracts the file that conforms to said specific file form, through a plurality of steps of extraction.

22. (Original) The portable information terminal of claim 17 comprising input means for inputting conditions for file extraction, wherein

said file extraction means extracts, among those which conform to said specific file form, the file that satisfies said conditions for file extraction.

23. (Original) The portable information terminal of claim 22 comprising control means, wherein

said control means controls at least one process among the following processes to be performed on said extracted file, for;

- i) deleting the file;
- ii) shifting the file to a data area of said carryable memory media, which data area corresponding to a different directory other than the original directory, and storing it in there;
- iii) transmitting the file as an attached file; and
- iv) exhibiting it on a display.

24. (Original) The portable information terminal of claim 17, wherein said file extraction means extracts the file that conforms to specific file form through the following process;

- i) a primary extraction based on the file expansion index, and
- ii) an extraction once again based on the inner structure of those extracted by said primary extraction.

25. (Original) The portable information terminal of claim 17 comprising a video processing function, said directory for storing specific format files containing a directory for storing video information form files, wherein

a video information file is extracted from both of the data areas of said carryable memory media; one data area is that which corresponds to the directory for storing video information form files and the other data area is that which corresponds to said directory for storing non-specific format files.

26. (Original) The portable information terminal of claim 17, wherein the portable information terminal extracts the Exif format image file through either one of the following processes;

i) extracting the JPG image file from data area of said carryable memory media based on the directory for storing non-specific format files, or

ii) extracting the image file from said carryable memory media based on the JPG expansion index . jpg of the directory for storing non-specific format files;

and a process of checking the inner structure of said image file extracted.

27. (Original) The portable information terminal of claim 26, wherein the portable information terminal prints the extracted Exif format file upon an operation made by a user.

28. (Previously Presented) The portable information terminal recited in claim 6 comprising communication means, wherein

the portable information terminal transmits the attached file stored in a data area corresponding to said further directory via said communication means, accompanying an e-mail.

29. (Previously Presented) The portable information terminal of claim 28 comprising file control means, wherein said file control means deletes a file which had been stored in a data area corresponding to said further directory after it is transmitted via said communication means.

30. (Original) The portable information terminal of claim 28 comprising file control

means, wherein said file control means shifts a file that had been stored in a data area corresponding to said directory for storing non-specific format files after it was transmitted via said communication means, to a data area of said carryable memory media that corresponds to a certain directory other than said original directory for storing specific format files and said original directory for storing non-specific format files.

31. (Original) The portable information terminal of claim 28 comprising instruction means, wherein said instruction means issues one of the following instructions based on operation of the operation section by a user, after a file stored in a data area corresponding to said directory for storing non-specific format files is transmitted via said communication means, regarding how the transmitted file be handled:

- i) leaving the transmitted file in said directory for storing non-specific format files;
- ii) deleting the transmitted file;
- iii) shifting the transmitted file to a data area of said carryable memory media that corresponds to a certain specific directory other than said original directory for storing specific format files and said original directory for storing non-specific format files.

32. (Currently Amended) A method for managing files in a portable information terminal comprising carryable memory media for storing data for access by an application program being executed by said terminal and detachable to and from the terminal a body of the terminal, comprising the steps of :

A) forming a plurality of directories at a directory level, each of said directories limited to storing files of a respective one of a plurality of file formats so that not more than said respective one of said plurality of file formats are permitted to be stored in each of said directories,

B) forming a further directory at said directory level, said further directory for storing files in other than said plurality of file formats and

C) storing a file in said carryable memory media at a data area corresponding to one of said plurality of directories or said further directory.

33. (Cancelled)

34. (Previously Presented) The method for managing files in the portable information terminal recited in claim 32, comprising the steps of :

- E) receiving data through communication means;
- F) forming a file based on the data received at step E); and
- G) storing the file formed at step F) in said carryable memory media at a data area corresponding to said further directory.

35. (Previously Presented) The method for managing files in the portable information terminal recited in claim 32, comprising the steps of :

- E) receiving an electronic mail through communication means; and
- H) storing an attached file attached to the electronic mail in said carryable memory media at a data area corresponding to said further directory.

36. (Previously Presented) The method for managing files in the portable information terminal recited in claim 32, comprising the steps of :

- E) receiving data through communication means;
- J) separating received data into a plurality of files;
- K) storing at least one file among said plurality of files in said carryable memory media at a data area corresponding to one of said plurality of directories; and
- L) storing the remaining file in said carryable memory media at a further data area corresponding to said further directory.

37. (Previously Presented) The method for managing files in the portable information terminal recited in claim 32, comprising the steps of:

- E) receiving data through communication means;
- J) separating received data into a plurality of files;

M) based on a first operation by a user, storing at least one file among said plurality of files in said carryable memory media at a data area corresponding to one of said plurality of directories; and

N) based on a second operation by a user, storing the remaining file in said carryable memory media at a further data area corresponding to said further directory.

38. (Previously Presented) The method for managing files in the portable information terminal recited in claim 32, comprising the steps of:

P) receiving an e-mail with the attached file through communication means;

Q) separating the received e-mail with the attached file into the document file and the attached file;

R) storing said document file in said carryable memory media at a data area corresponding to one of said plurality of directories; and

S) storing said attached file in said carryable memory media at a further data area corresponding to said further directory.

39. (Previously Presented) The method for managing files in the portable information terminal recited in claim 32, comprising the steps of:

P) receiving an e-mail with the attached file through communication means;

Q) separating the received e-mail with the attached file into the document file and the attached file;

T) based on a first operation by a user, storing said document file in said carryable memory media at a data area corresponding to one of said plurality of directories; and

U) based on a second operation by a user, storing said attached file in said carryable memory media at a further data area corresponding to said further directory.

40. (Previously Presented) The method for managing files in the portable information terminal of claim 39 comprising the step of

transmitting the attached file stored in said carryable memory media at said further data area corresponding to said further directory as an attachment to a new e-mail.

41. (Original) The method for managing files in the portable information terminal of claim 39 comprising the steps of:

V) transmitting the file stored in said carryable memory media at said further data area corresponding to said directory for storing non-specific format files; and

W) after said file is transmitted, deleting said transmitted file.

42. (Previously Presented) The method for managing files in the portable information terminal recited in claim 39 comprising the steps of:

V) transmitting the file stored in said carryable memory media at said further data area corresponding to said further directory; and

X) after said file is transmitted, shifting said transmitted file to yet a further data area.

43. (Previously Presented) The method for managing files in the portable information terminal recited in claim 39 comprising the steps of:

V) transmitting the file stored in said carryable memory media at said further data area;

Y) after transmitting said file, a user selecting either one of following steps based on operation;

Y-1) leaving said transmitted file in said carryable memory media
at said further data area;

Y-2) deleting said transmitted file; and

Y-3) shifting said transmitted file to yet a further data area.

44. (Previously Presented) The portable information terminal according to claim 6, wherein the portable information terminal is a portable telephone unit.

45. (Original) The method for managing files in the portable information terminal of claim 32, wherein the portable information terminal is a portable telephone unit.

46. (Original) The carryable memory media of claim 5, wherein the carryable memory media are memory card.

47. (Previously Presented) The portable information terminal according to claim 6, wherein the carryable memory media are memory card.

48. (Original) The method for managing files in the portable information terminal of claim 32, wherein the carryable memory media are memory card.

49. (Currently Amended) A portable information terminal including memory media for storing data for access by an application program being executed by said terminal and detachable to and from a terminal-body of the terminal, comprising:

an interface for reading data from said memory media; and

a selector for selecting between a data area and a further data area, said selector selecting: a) from said data area when said data being read corresponds to one of a plurality of directories at a directory level, each of said directories limited to a respective one of a plurality of file formats so that not more than said respective one of said plurality of file formats are permitted to be stored in each of said directories; and b) from said further data area when said data being read corresponds to a further directory for other than said plurality of file formats.

50. (Previously Presented) Memory media according to claim 1, wherein said further directory is also for storing at least one of said respective file formats.

51. (Previously Presented) Memory media according to claim 1, wherein files in said further directory are independent and without links relative to files in said plurality of directories.

52. (Previously Presented) A carryable memory media comprising:

a plurality of directories at a directory level, each of the directories limited to storing files of a respective one of a plurality of file formats, and

a further directory at the directory level, the further directory capable of storing a file

having an arbitrary file format.

53. (Previously Presented) A carryable memory media comprising:

a plurality of directories at a directory level, each of the directories limited to storing first files of a respective one of a plurality of file formats, and

a further directory at the directory level, the further directory capable of storing the first files having the respective one of the plurality of file formats and a second file having a file format which is different from the file formats of the first file.

54. (Currently Amended) A method for managing files in an information apparatus including carryable memory media for storing data for access by an application being executed by said apparatus and detachable to and from the apparatus, the memory media including a directory limited to storing files of a respective one of a plurality of file formats, so that not more than said respective one of said plurality of file formats are permitted to be stored in each of said directories, the method comprising the steps:

detecting whether or not a file to be stored in the memory media is capable of being stored in the limited directory, and

forming a further directory for storing the file to be stored by a result of determining the file is not capable of being stored in the limited directory, the further directory being capable of storing a file of an arbitrary file format.

55. (Currently Amended) A method for managing files in an information apparatus including carryable memory media for storing data for access by an application being executed by said apparatus and detachable to and from the apparatus, the memory media including a directory limited to storing files of a respective one of a plurality of file formats, so that not more than said respective one of said plurality of file formats are permitted to be stored in each of said directories, the method comprising the steps:

detecting whether or not a file to be stored in the memory media is capable of being stored in the limited directory, and

forming a further directory for storing the file to be stored by a result of determining the file is not capable of being stored in the limited directory, the further directory being capable of

storing the files of the respective one of the plurality of file formats.

56. (Currently Amended) A method for reading information in a file on a ~~memory media, in which a~~ carryable memory media for storing data for access by an application program being executed on a data processing system, the memory media includes: a plurality of directories at a directory level, each of the directories limited to storing files of a respective one of a plurality of file formats, so that not more than said respective one of said plurality of file formats are permitted to be stored in each of said directories, and a further directory at the directory level, the further directory capable of storing a file having an arbitrary file format, the method comprising the steps of:

a first step of accessing a directory in which a file format corresponds to a file format of the file, and

a second step of accessing the further directory.

57. (Currently Amended) A method for reading information in a file on a ~~memory media, in which a~~ carryable memory media for storing data for access by an application program being executed on a data processing system, the memory media includes, a plurality of directories at a directory level, each of the directories limited to storing first files of a respective one of a plurality of file formats, so that not more than said respective one of said plurality of file formats are permitted to be stored in each of said directories, and a further directory at the directory level, the further directory capable of storing the first files having the respective one of the plurality of file formats and a second file having a file format which is different from the file formats of the first file, the method comprising the steps of:

a first step of accessing a directory of which a file format corresponds to a file format of the file, and

a second step of accessing the further directory.

58. (Previously Presented) The memory media of claim 52, wherein said directory level is immediately under a root directory.

59. (Previously Presented) An apparatus which is capable of controlling a carryable memory media, comprising:

a CPU operable to instruct to store a file obtained from the carryable memory media;

a controller operable to form a directory in the carryable memory media and operable to store the obtained file in the carryable memory media, wherein

if a directory formed by an other apparatus is stored in the carryable memory media and there is not a directory formed by the apparatus in the carryable memory media, the apparatus makes the carryable memory media form a new directory which is allowed to store an arbitrary file stored in the memory and store the obtained file in the new directory.

60. (Previously Presented) The apparatus of claim 59, wherein

the obtained file is a file attached with an e-mail.

61. (Previously Presented) The apparatus of claim 59, wherein

the directory formed by the other apparatus is used by the other apparatus to store a file of a predetermined format and is not used to store the obtained file by the apparatus.

62. (Previously Presented) The apparatus of claim 59, wherein

the CPU is operable to recognize the carryable memory media, and the apparatus makes the carryable memory media form the new directory if the CPU recognizes the carryable memory media in which the directory formed by the other apparatus is stored and there is not the directory formed by the apparatus.

63. (Previously Presented) The apparatus of claim 59, wherein

the apparatus makes the carryable memory media form the new directory if the controller accesses to the carryable memory media.

64. (Previously Presented) The apparatus of claim 59, wherein

the controller is operable to reproduce the obtained file if the obtained file is of a predetermined format, and

even if the obtained file is not formatted by the predetermined format and the obtained file cannot be reproduced, the apparatus makes the carryable memory media store the obtained

file in the new directory.

65. (Currently Amended) A method which is capable of storing a file in a carryable memory media ~~for use by an apparatus, for storing data for access by an application program being executed on a data processing system, the method~~ comprising:

storing in a memory a file obtained excluding from the carryable memory media;

recognizing the carryable memory media in which a directory formed by an other apparatus is stored and there is not a directory formed by the apparatus;

forming in the carryable memory media a new directory which is allowed to store an arbitrary file stored in the memory; and

storing the obtained file in the new directory.

66. (Previously Presented) The method of claim 65, wherein

the obtained file is a file attached with an e-mail.

67. (Previously Presented) The method of claim 65, wherein

the directory formed by the other apparatus is used by the other apparatus to store a file of a predetermined format and is not used to store the obtained file by the apparatus.

68. (Previously Presented) The method of claim 65, wherein

in the forming process, the new directory formed if the carryable memory media, in which the directory formed by the other apparatus is stored and there is not the directory formed by the apparatus, is recognized.

69. (Previously Presented) The method of claim 65, wherein

in the forming process, the new directory is formed if the carryable memory media is accessed.

70. (Previously Presented) The method of claim 65, comprising:

reproducing the obtained file if the obtained file is a predetermined format, wherein

even if the obtained file is not formatted by the predetermined format and the obtained file cannot be reproduced, the obtained file is stored in the new directory.

71. (Previously Presented) An information terminal, comprising:

a memory card slot operable to insert carryable memory media;

a memory operable to store a file obtained excluding from the carryable memory media;

a controller operable to form a directory in the carryable memory media and operable to store the obtained file in the memory; wherein

if a directory formed by an apparatus other than the information terminal is stored in the carryable memory media and there is not a directory formed by the information terminal in the carryable memory media, the information terminal makes the carryable memory media form a new directory which is allowed to store an arbitrary file stored in the memory and store the obtained file in the new directory.

72. (Previously Presented) The information terminal of claim 71, comprising:

a receiver operable to receive an e-mail with an attached file, wherein

the obtained file is the attached file.

73. (Previously Presented) The information terminal of claim 71, comprising:

the directory formed by the apparatus is used by the apparatus to store a file of a predetermined format and is not used to store the obtained file by the information terminal.

74. (Previously Presented) The information terminal of claim 71, wherein

the information terminal makes the carryable memory media form the new directory if the carryable memory media, in which the directory formed by the apparatus is stored and there is not the directory formed by the information terminal, is inserted to the memory card slot.

75. (Previously Presented) The information terminal of claim 71, wherein

the information terminal makes the carryable memory media form the new directory if

the carryable memory media is accessed by the controller.

76. (Previously Presented) The information terminal of claim 71, comprising:

a reproducer operable to reproduce the obtained file if the obtained file is a predetermined format, wherein

even if the obtained file is not formatted by the predetermined format and the obtained file cannot be reproduced by the reproducer, the obtained file is stored in the new directory.

77. (Currently Amended) A method which is capable of storing a file in a carryable memory media ~~for use of an information terminal,~~for storing data for access by an application program being executed on an information terminal, the method comprising:

storing in a memory a file obtained excluding from the carryable memory media;

recognizing the carryable memory media, in which a directory formed by an apparatus other than the information terminal is stored in the carryable memory media and there is not a directory formed by the information terminal in the carryable memory media, to be inserted to a memory card slot;

forming in the carryable memory media a new directory which is allowed to store an arbitrary file stored in the memory; and

storing the obtained file in the new directory.

78. (Previously Presented) The method of claim 77, comprising:

receiving an e-mail with an attached file, wherein

the obtained file is the attached file.

79. (Previously Presented) The method of claim 77, wherein

the directory formed by the apparatus is used by the apparatus to store a file of a predetermined format and is not used to store the obtained file by the information terminal.

80. (Previously Presented) The method of claim 77, wherein

in the forming process, the new directory is formed if the carryable memory media, in which the directory formed by the apparatus is stored and there is not the directory formed by the information terminal, is inserted to the memory card slot .

81. (Previously Presented) The method of claim 77, wherein

in the forming process, the new directory is formed if the carryable memory media is accessed.

82. (Previously Presented) The method of claim 77, comprising:

reproducing the obtained file if the obtained file is of a predetermined format, wherein

even if the obtained file is not formatted by the predetermined format and the obtained file cannot be reproduced, the obtained file is stored in the new directory.